

SB140

	S	B140	
1.0AMP. SCH	оттку	BARRIER RECTIFIERS	
FEATURE		<u>DO-41</u>	
		$\begin{array}{c} 1.0(25.4) \\ MIN. \\ \underline{.205(5.2)} \\ 1.0(25.4) \\ \underline{.166(4.2)} \\ 1.0(25.4) \\ MIN. \\ \underline{.10(25.4)} \\ MIN. \\ \underline{.032(0.8)} \\ 0.25(0.65) \\ DIA. \\ \underline{.025(0.65)} \\ \underline$	
Ratings at 25°C ambient temperature unless other Single phase, half wave, 60Hz, resistive or inducti		ified. For capacitive load, derate current by 20%	
Type Number	SYM BOL	SB140	
Maximum Recurrent Peak Reverse Voltage	V _{RRM}	40	
Maximum RMS Voltage	V _{RMS}	28	
Maximum DC blocking Voltage	VDC	40	
Maximum Average Forward Rectified Current .375"(9.5mm) lead length	I _{F(AV)}	1.0	
Peak Forward Surge Current 8.3ms single half sine-wave superimposed on rated load (JEDEC method)	I _{FSM}	30.0	
Maximum Forward Voltage at 1.0A DC	VF	0.55	
Maximum DC Reverse Current @T _J =25°C	IR	0.2 m/	
at rated DC blocking voltage @T _J =100°C		10.0	
Typical Junction Capacitance (Note1)	CJ	60 pF	
Typical Thermal Resistance (Note2)	$\begin{array}{c c} R_{(JA)} \\ \hline R_{(JC)} \end{array}$	75 25	
Temperature Storage	T _{STG}	-55 to +150 °C	
Operating Junction Temperature	TJ	-55 to +125 °C	

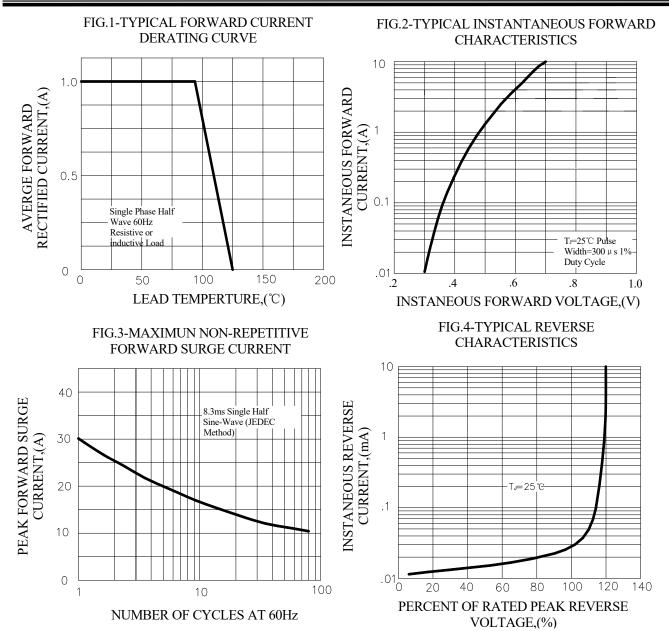
Note:

1. Measured at 1.0 MHz and applied reverse voltage of 4.0Vdc

2. Thermal Resistance from Junction to Ambient at 0.375" (9.5mm) lead length, vertical P.C.Board Mounted.



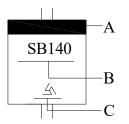
RATING AND CHARACTERISTIC CURVES





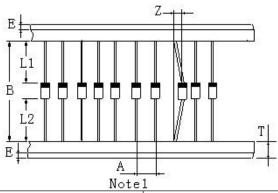
Marking and packaging illustration

1、Marking



SYMBOL	Explanation	
Α	Color Band Denotes Cathode	
В	Product Name	
С	Trademark	

2、Packaging



ITEM	SYMBOL	SPECIFICATIONS (mm)	SPECIFICATIONS (inch)
Component alignment	Z	1.2max	0.048max
Tape width	Т	6.0±0.4	0.236 ±0.016
Exposed adhesive	Е	0.8max	0.032max
Body eccentricity	L1-L2	1.0max	0.040max
Component	А	5.0±0.5	0.2 ± 0.02
Inner tap	В	52.0~53.5	2.05~2.11
NOTE:			

Each component lead shall be sandwiched between tapes for a minimum of 2.5mm (0.1inch)